

Roll No. \_\_\_\_\_

215-N

**B. A./B. Com./B. Sc. (Part II)  
EXAMINATION, 2018**

(New Course)

(Vocational Course)

COMPUTER APPLICATION

Paper First

(System Analysis and Development)

Time : Three Hours ] [ Maximum Marks : { B.A. : 25  
B.Com./B.Sc. : 50

Note : Attempt questions from all Sections as directed.

Inst. : The candidates are required to answer only in serial order. If there are many parts of a question, answer them in continuation.

**Section—A**

(Short Answer Type Questions)

Note : Attempt A to C total *three* questions for B. A.  
Attempt A to F all the *six* questions for B. Com./  
B. Sc. Each question carries 3 marks.

1. (A) Differentiate between physical and logical DFDs.

[ 2 ]

215-N

- (B) Explain operational feasibility study.
- (C) What are various quality assurance plan ?
- (D) Why do we test system ? How importance is testing ?
- (E) What is the difference between 'Defect' and 'Failure' ? Also explain unit and acceptance testing.
- (F) Why do we need to conduct 'Risk Analysis' ?

**Section—B**

(Long Answer Type Questions)

Note : Attempt any *two* questions. Each question carries 4/8 marks.

- 2. Explain the various characteristics of a system.
- 3. What are the various tools used in structured analysis ?
- 4. What is the role of testing phase in S. D. L. C. ?
- 5. What are the various duties of performed by System Analyst ?

**Section—C**

(Long Answer Type Questions)

Note : Attempt any *two* questions. Each question carries 4/8 marks.

- 6. What is form ? Summarize the characteristics of action memory and repeat forms.
- 7. Distinguish between the following :
  - (i) Data security and data integrity

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[ 3 ]

- (ii) Privacy and confidentiality
  - (iii) Logical and structural failure
  - (iv) Roll forward and roll back
8. What are the major threats to system security ? Which one is the most serious ?
9. Elaborate on the steps taken in system testing. What performance criteria are used for system testing ? Discuss.